

AMENDMENTS TO THE CLAIMS:

Please amend Claims 1, 4, 12, and 21 as follows:

1. (Currently Amended) A method of constructing a wireless network by using a wireless communication apparatus storing in a memory a plurality of network identification information for identifying a wireless network, the method comprising:

discriminating detecting network identification information being used in the vicinity by receiving a signal transmitted from another wireless communication apparatus;

discriminating network identification information being used in the vicinity from among the plurality of network identification information stored in the memory by comparing the network identification information detected in the detecting step with the plurality of network identification information stored in the memory;

distinctly displaying network identification information discriminated as being used in the vicinity and network identification information not discriminated as being used in the vicinity on a display unit such that a user can select network identification information not used in the vicinity from among the plurality of network identification information stored in the memory when network identification information, which has been stored in a memory unit, for identifying each wireless network system the plurality of network identification information is read from the memory and is displayed on the display unit; and

newly constructing a wireless network ~~system~~ of the network identification information, which has been displayed in the displaying step and has been selected by the user.

2. (Cancelled)

3. (Previously Presented) The method according to claim 1, wherein the displaying step displays the network identification information discriminated as being used in the vicinity in the discriminating step with a message representing that the network identification information is being used in the vicinity.

4. (Currently Amended) The method according to claim 1, further comprising displaying a list of encryption keys for encrypting communication data in the wireless network system, selecting a desired encryption key from the list of encryption keys, and setting the selected encryption key as the encryption key of communication data causing the display unit to display a plurality of encryption keys without discriminating between an encryption key being used in the vicinity and an encryption key not used in the vicinity when the plurality of encryption keys is read from the memory and is displayed, and setting an encryption key selected by the user from among the plurality of encryption keys displayed on the display unit.

5. (Previously Presented) The method according to claim 1, further comprising:
setting communication modes of the wireless network system; and
displaying a list of communication channels and selecting a communication channel used for communication in a communication mode set in the setting step from the list of communication channels.

6 - 11. (Cancelled)

12. (Currently Amended) A wireless communication apparatus storing in a memory a plurality of network identification information for identifying a wireless network, said apparatus comprising:

a discrimination detection unit adapted to discriminate detect network identification information being used in the vicinity by receiving a signal transmitted from another wireless communication apparatus;

a discrimination unit adapted to discriminate network identification information being used in the vicinity from among the plurality of network identification information stored in the memory by comparing the network identification information detected by the detection unit with the plurality of network identification information stored in the memory;

a display control unit adapted to distinctly display network identification information discriminated as being used in the vicinity and network identification information not discriminated as being used in the vicinity on a display device such that a user can select network identification information not used in the vicinity network identification information, which has been stored in a memory unit, for identifying each wireless network system from among the plurality of network identification information stored in the memory when the plurality of network identification information is read from the memory and is displayed on the display device; and

a constructing unit adapted to newly construct a wireless network system of the network identification information, which has been displayed on the display device and has been

selected by the user.

13 - 18. (Cancelled)

19. (Previously Presented) A computer-readable recording medium, which stores a program for causing a computer to execute the method of constructing a wireless network set forth in claim 1.

20. (Previously Presented) The apparatus according to claim 12, wherein said display control unit displays the network identification information discriminated as being used in the vicinity by said discrimination unit with a message representing that the network identification information is being used in the vicinity.

21. (Currently Amended) The apparatus according to claim 12, further comprising a setting unit adapted to display a list of encryption keys for encrypting communication data in the wireless network system, select a desired encryption key from the list of encryption keys, and set the selected encryption key as the encryption key of communication data a unit adapted to cause the display device to display a plurality of encryption keys without discriminating between an encryption key being used in the vicinity and an encryption key not used in the vicinity when the plurality of encryption keys is read from the memory and is displayed, and setting an encryption key selected by the user from among the plurality of encryption keys displayed on the display device.

22. (Previously Presented) The apparatus according to claim 12, further comprising:
a setting unit adapted to set communication modes of the wireless network system; and
a selection unit adapted to display a list of communication channels and select a
communication channel used for communication in a communication mode set by said setting
unit from the list of communication channels.